

POKJA MASTEL – ROADMAP ICT
OUTLINE DRAFT ROADMAP ICT

Outline Draft Roadmap ICT:

I. Background:

- ICT as Enabler
- ICT as Industry

II. Visi ICT Indonesia, 2015:

- **Affordable multi services broadband access for everyone**

III. SWOT

- Strength
 - i. Sumber daya alam
 - ii. Low cost labor
 - iii. Multi operator
- Weakness
 - i. Daya beli rendah
 - ii. SDM penyedia dan pengguna ICT
 1. Jumlah, kompetensi
 2. link and match
 3. culture
 - iii. Unstable/ over/ unfair regulasi dan enforcement
 1. pusat dan daerah
 2. HAKI
 - iv. Penetrasi rendah dan tidak merata
 - v. Iklim/ strategi investasi yang tidak menguntungkan
 - vi. Research and Manufacturing ICT yang almost zero
 - vii. Data dan informasi atas industri ICT
 - viii. Mistrust to government
- Opportunity
 - i. Hidden business opportunity
 - ii. Big market
 - iii. Potensi pertumbuhan tinggi
- Threat
 - i. Under developed nation
 - ii. International dominance

IV. Theme

- **ICT development through well-built collaboration**

V. Issues

1. Digital divide
2. Implementasi E-government
3. Koordinasi antar departemen
4. Kompetensi SDM
5. Ketersediaan peralatan yang murah
6. ICT Governance

VI. Sasaran 2015

1. Akses broadband seluruh wilayah/ desa
2. SDM yang mencukupi
3. Konektifitas instansi pemerintah, Perguruan tinggi
4. Kelengkapan konten untuk pertumbuhan ekonomi dan pendidikan
5. Administrasi pemerintah melalui e-government di seluruh wilayah yang menuju excellent public service
6. Standarisasi ICT di seluruh pemda
7. 50% self sufficient dari kebutuhan ICT
8. Penetrasi Internet 50% average, dengan minimal per daerah: 10%
9. Penetrasi & Pertumbuhan tilpun
 - i. Mobile dan
 - ii. Fixed
10. Fasilitas pendidikan, pelatihan dan penyuluhan yang menyeluruh utk stakeholder
11. Services
 - i. Broadband
 - ii. Convergence
 - iii. Affordable
 - iv. QoS
 - v. Seamless
 - vi. Ease of Use

VII. Strategi

1. Domestic Network
2. Convergensi
3. Pembangunan sentra ICT di beberapa wilayah. (pendidikan/ penyuluhan, standarisasi, pengembangan solusi, mengidentifikasi kebutuhan di wilayah tsb, pengembangan

- SDM, pusat informasi, penelitian, monitoring, facility center, pengembangan data base)
4. Strong government incentive for investor

VIII. Development Roadmap

A. Physical Infrastruktur

1. International Access
2. Domestic Backbone
3. Inner City wireline connection
4. Wireless access
5. Mobile access network
6. Converged Network-IP based
7. Right of Way
8. Shared BTS
9. Techno Park

B. Supported Infrastructure

1. IPV6
2. Security
3. Interconnection
4. QoS
5. Numbering
6. SLA

C. SDM

1. ICT for Government and Corporate: Executive, management and professionals
2. ICT for Public
3. Smart Schools
4. Digital Image processing
5. Sertifikasi

D. Aplikasi & Konten

1. e- government
2. e- health
3. e- learning
4. e- business
5. e- payment
6. SIN

7. Open source
8. Animation
9. Game development

E. Manufacturing

1. Passive Component
2. Software and Content
3. Active component
4. Manufacturing value chain development
5. Industry infrastructure
6. Protection Incentives
7. R&D

F. Acceleration Programs

1. USO and PSO
2. Community Access Point (CAP)
3. Multi Operator Collaboration
4. Foreign Investment
5. Strategic Institutional links

G. Regulatory philosophy

1. Appropriate & Fair Playing Field
2. Technology Neutral
3. Convergence driven
4. Incentive based
5. Standarisasi
6. Enforcement focus

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